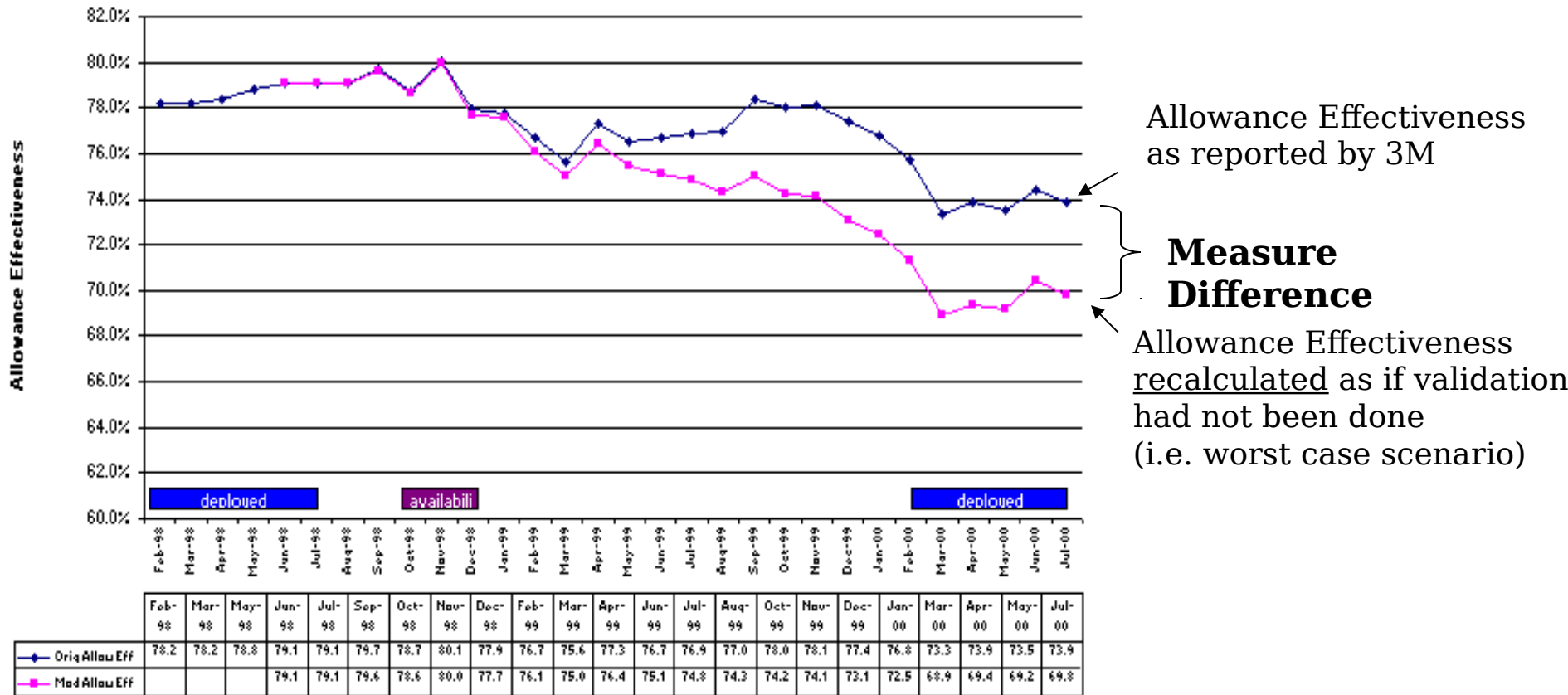


Validation Metrics -
Update
CDM/ISEA Validation Working
Group
Aug 2002

Kirsten Snell
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717-605-6176

Metric: Allowance Effectiveness

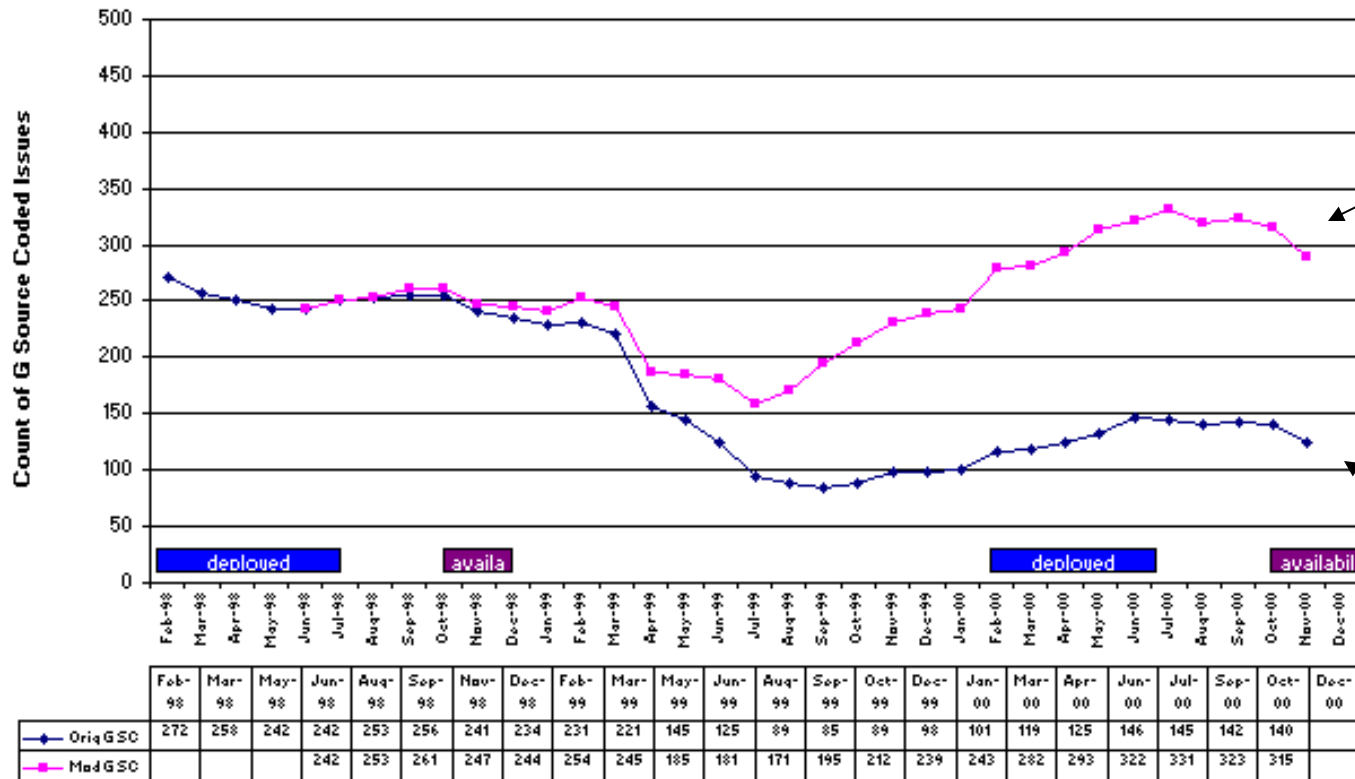
USS Laboon (DDG 58) Monthly Allowance Effectiveness



- More than 30% of all maintenance on-board a ship is being deferred due to “lack of parts” – why didn’t the ship have the part?
- Allowance Effectiveness measures the % of parts that were issued for maintenance that had an allowance in the ship’s SRF in SNAP.
- Configuration accuracy is a key driving factor in maintaining correct allowances on board ship.

Metric: Count of 'G' Source Coded Issues

USS Laboon (DDG 58)
G Source Coded Issues



Count of 'G' source coded issues recalculated as if validations had not happened (i.e. worst case scenario)

Measure difference

Count of 'G' source coded issues as reported by 3M

- Definition of a 'G' source code: 'Not Carried' repair part issued for maintenance which is not listed on an APL in the ship's COS file in SNAP.
- Causes for a 'G' source coded issues are configuration inaccuracies and/or provisioning problems

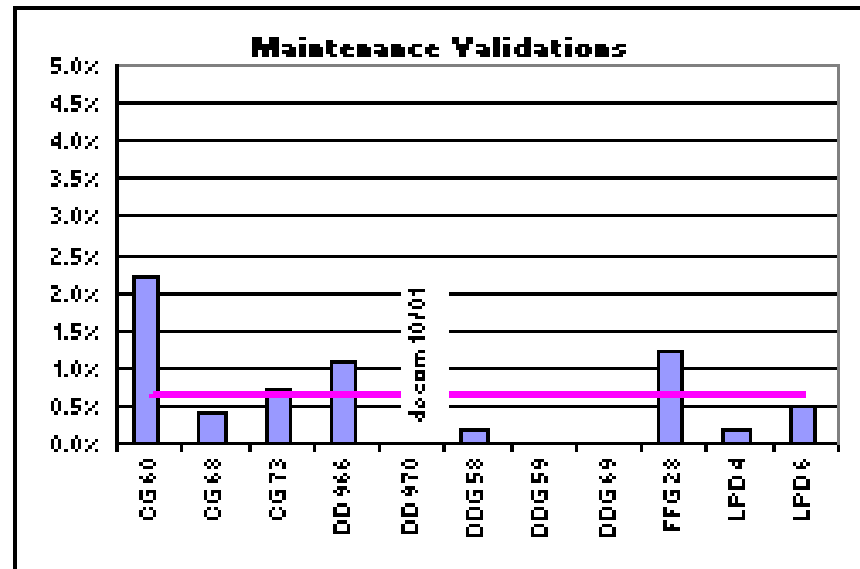
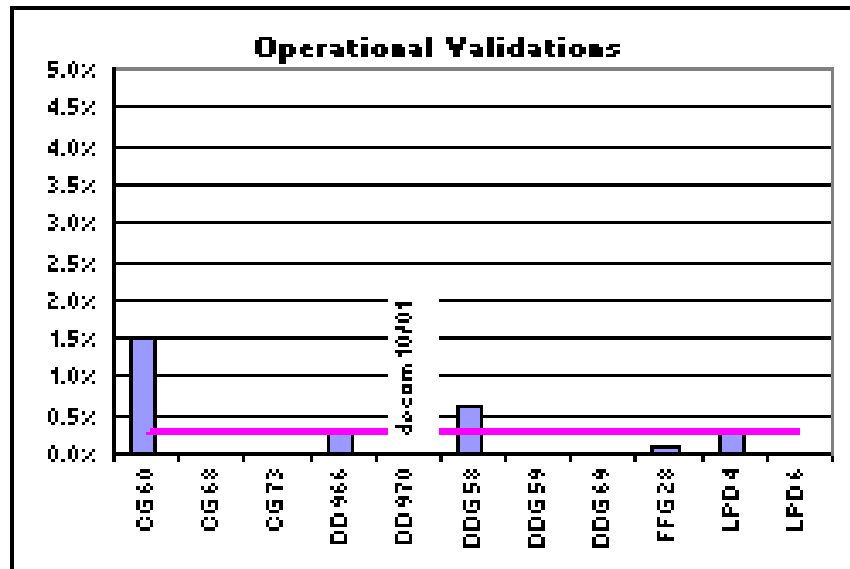
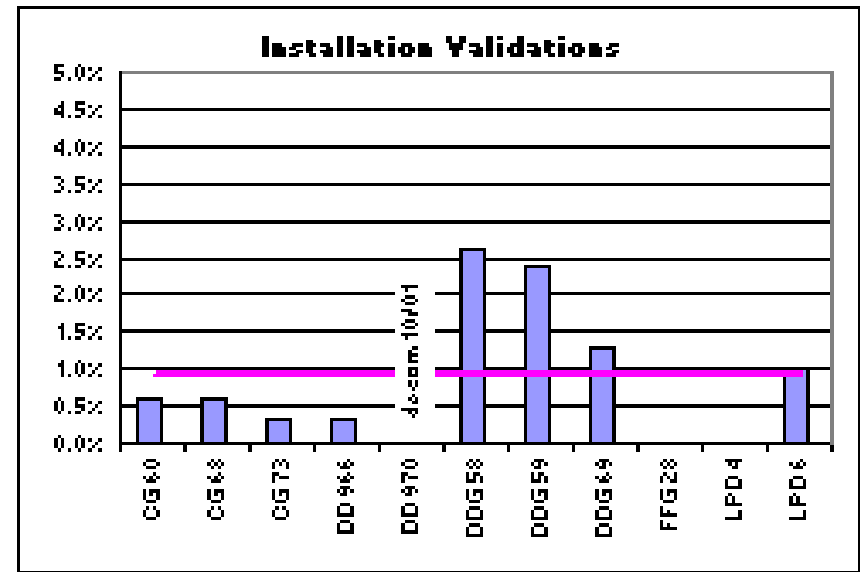
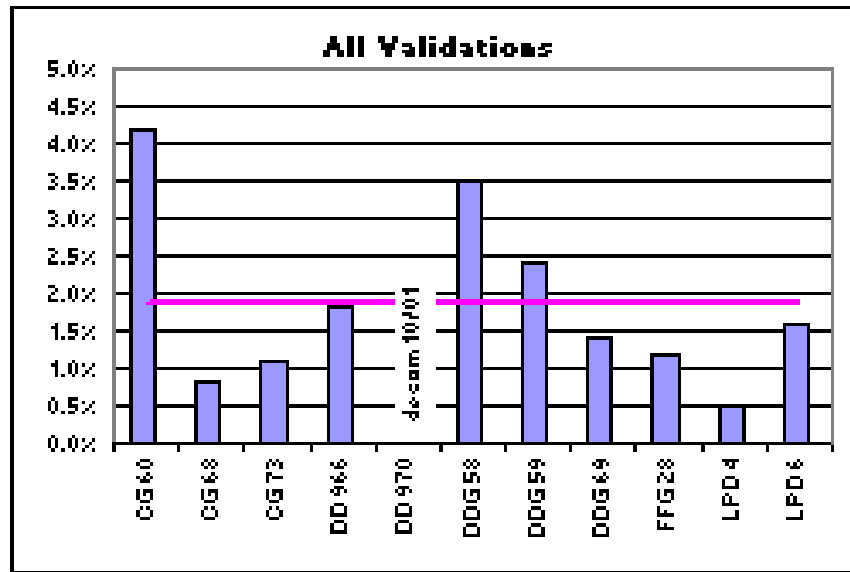
Metrics Status

-

Round 1

- **Workfiles received; 24 month analysis complete**
 - USS Normandy (CG 60)
 - USS Anzio (CG 68)
 - USS Port Royal (CG 73)
 - USS Hewitt (DD 966)
 - USS Caron (DD 970) – completed 18 mo analysis/decom Oct 01
 - USS Laboon (DDG 58)
 - USS Russell (DDG 59)
 - USS Milius (DDG 69)
 - USS Boone (FFG 28)
 - USS Austin (LPD 4)
 - USS Duluth (LPD 6)
- **Workfiles requested:**
 - USS Tarawa (LHA 1) – NNSY – funding?
 - USS Saipan (LHA 2) – NNSY – funding?
 - USS Ashland (LSD 48) - Boston - workfile parameters forwarded 7/01
- **Workfiles not available:**
 - USS Dallas (SSN 700)

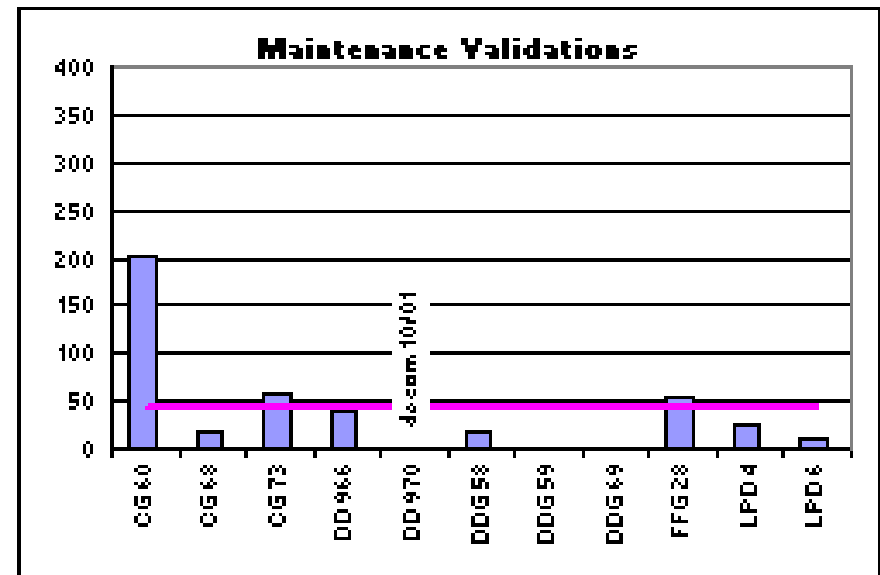
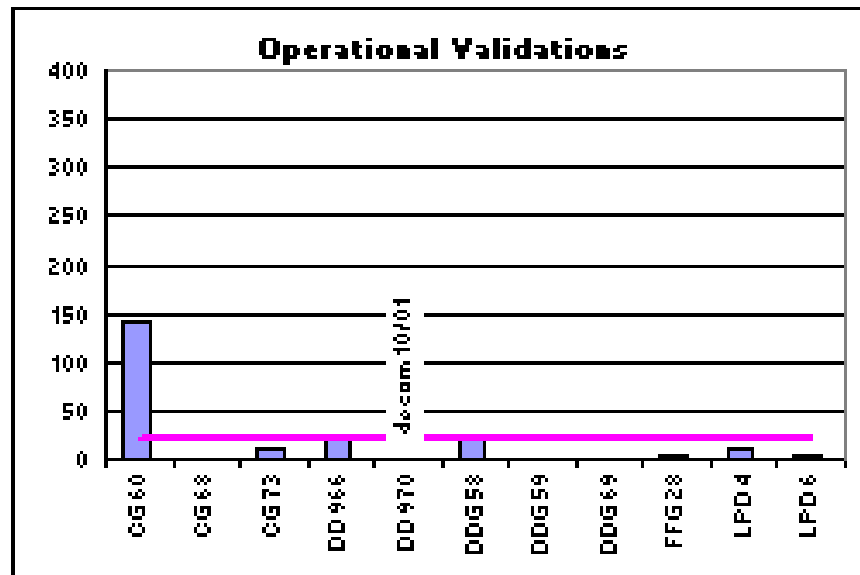
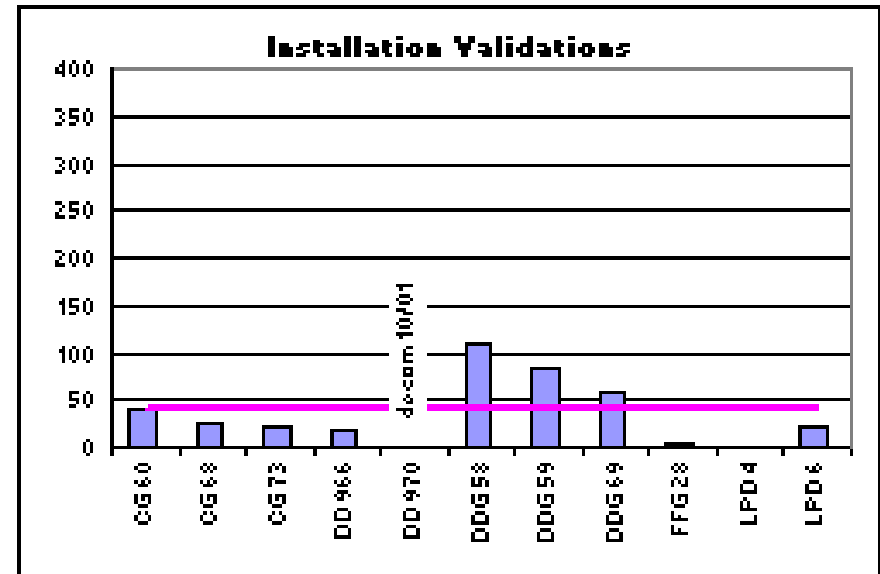
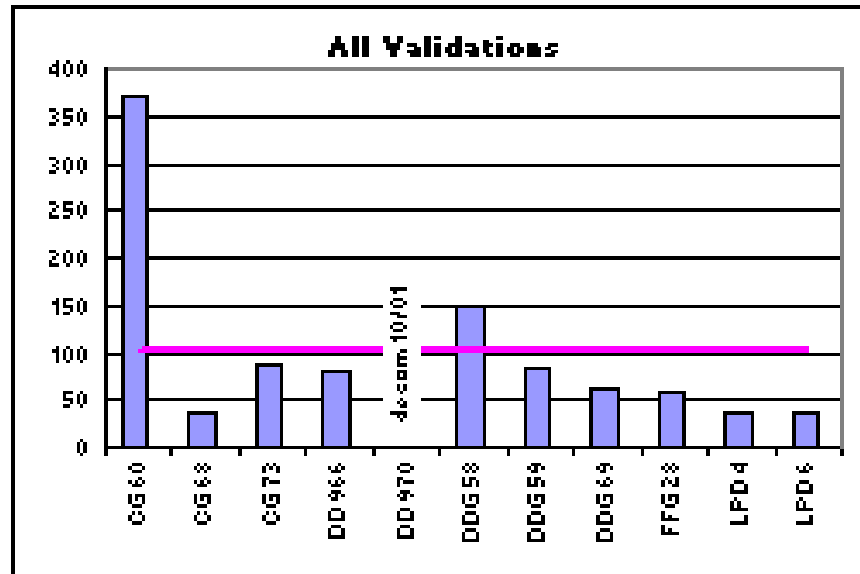
Improvement in Allowance Effectiveness - 24 Month Measurement



- 24 month average: potential 1.9% increase in

All Allowance Effectiveness

Potential G Source Coded Issues Avoided - 24 Month Measurement



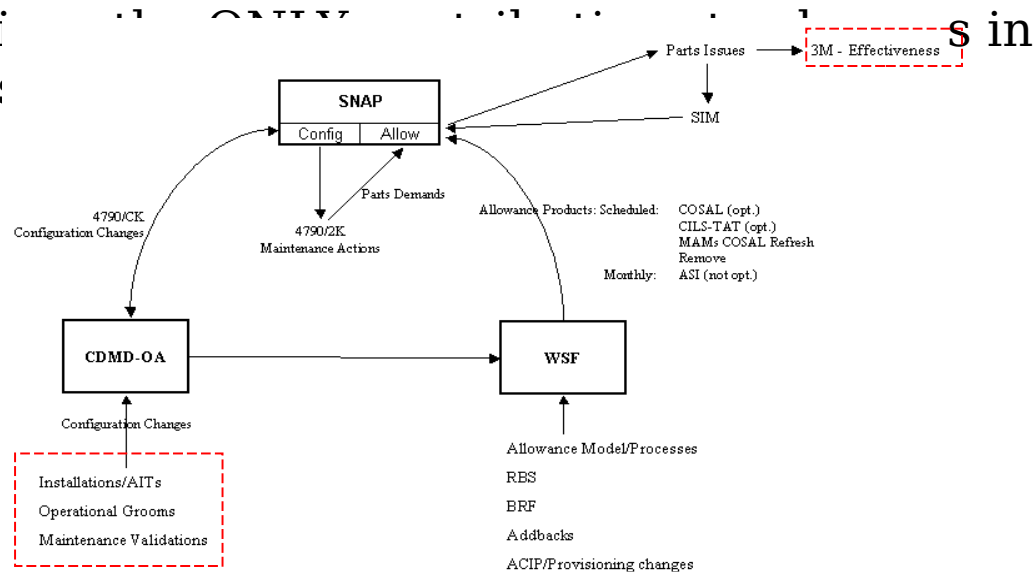
- 24 month average: potential 100 'G' source coded issues avoided

Preliminary Conclusions:

What do the metrics tell us?

- Validations DO have some potential impact on effectiveness

- Are validation efforts statistically significant?
 - No . . .



- Is the impact statistically significant?
 - No - minimal changes in measurements were “worst case scenario”.
- Is the amount of time and effort spend validating worth the small ROI?

Metrics Status

-

Round 2

- **Proposal - Apr 02**

- Re-run metrics with new group of ships
 - RMMCO
 - Standardized SSVA procedures
 - CILS-TAT vs non-CILS-TAT ships
 - NEMAIS Phase A

- **Requested candidates from ILO/FTSC**

- Ships, representing a variety of ship classes, that have completed availability within past 12 months
- Identify CILS-TAT/non-CILS-TAT
- ILOLANT - Identify NEMAIS Phase A ships
- Include USS Saipan (LHA 2) in metrics (request from Mr. Stout)

Metrics Status

Round 2

- **Candidate Listings:**
 - FTSCPAC Candidates

Ship Name	Hull	UIC	EOA Date	TAT Schedule
USS CORONADO	(AGF 11)	07194	Mar-02	
USS BUNKER HILL	(CG 52)	21345	Nov-01	TAT - Feb 2002
USS SHILOH	(CG 67)	21657	Jun-01	TAT - Aug 2001
USS BENFOLD	(DDG 65)	21940	May-02	TAT - Sep 2002
USS BELLEAU WOOD	(LHA 3)	20633	May-01	TAT - Jul 2001
USS BOXER	(LHD 4)	21808	Apr-02	TAT - Sep 2002
USS DULUTH	(LPD 6)	07177	Nov-01	

- ILOLANT Candidates (all are NEMAIS Phase

A S

Ship Name	Hull	UIC	SOA Date	EOA Date	TAT Schedule
USS GRAPPLE	(ARS - 53)	21441	3/11/02	6/28/02	TAT - Nov 2002
USS SAN JACINTO	(CG - 56)	21389	9/24/01	3/13/02	TAT - Aug 2002
USS ANZIO	(CG - 68)	21658	8/13/01	1/31/02	TAT - Jun 2002
USS BRISCOE	(DD - 977)	20603	2/14/01	6/8/01	
USS STUMP	(DD - 978)	20604	10/24/01	3/15/02	
USS DEYO	(DD - 989)	20836	9/10/01	12/21/01	
USS ARLEIGH BURKE	(DDG - 51)	21487	10/22/01	4/12/02	TAT - Oct 2002
USS MITSCHER	(DDG - 57)	21687	8/30/01	1/12/02	TAT - Jul 2002
USS DONALD COOK	(DDG - 75)	21949	5/1/01	7/13/01	
USS MOUNT WHITNEY	(LCC - 20)	20001	10/10/01	12/31/01	
* USS SAIPAN	(LHA - 2)	20632	2/12/01	4/1/02	TAT - Sep 2002
USS NASHVILLE	(LPD - 13)	07196	9/28/01	1/28/02	TAT - Jun 2002
USS PONCE	(LPD - 15)	07201	3/13/02	5/29/02	TAT - Nov 2002
USS PORTLAND	(LSD - 37)	20012	11/1/01	2/22/02	
USS GUNSTON HALL	(LSD - 44)	21422	3/18/02	6/5/02	TAT - Oct 2002
USS CARTER HALL	(LSD - 50)	21880	2/20/02	5/10/02	TAT - Oct 2002
USS MONTPELIER	(SSN - 765)	21762	8/13/01	10/13/01	
USS HAMPTON	(SSN - 767)	21764	1/7/02	3/7/02	TAT - Jun 2002